26 APR 2006

ATTORNEY'S DOCKET NUMBER FORM PTO-1390 (Modified)

U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 7-2005) 873.0158.U1(US) TRANSMITTAL LETTER TO THE UNITED STATES U.S. APPLICATION NO. (If known, see 37 CFR 1.5) DESIGNATED/ELECTED OFFICE (DO/EO/US) 10/526,699 CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 PRIORITY DATE CLAIMED INTERNATIONAL FILING DATE INTERNATIONAL APPLICATION NO. 8/6/2003 8/6/2004 PCT/US04/25398 TITLE OF INVENTION Quallity Of Service Support At An Interface Between Mobile And IP Network APPLICANT(S) FOR DO/EO/US Haihong Zheng Marc Greis Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6),  $\boxtimes$ 3. (9) and (24) indicated below. The US has been elected (Article 31). 4. A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) 5. is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. b. 🗆 is not required, as the application was filed in the United States Receiving Office (RO/US). c. 🗆 An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. a. 🗆 has been previously submitted under 35 U.S.C. 154(d)(4). b. 🗆 Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) 7. are attached hereto (required only if not communicated by the International Bureau). a. 🗆 have been communicated by the International Bureau. b. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. d. 🗆 An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 8. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).  $\boxtimes$ An English language translation of the annexes to the International Preliminary Examination Report under PCT 9. 10. Article 36 (35 U.S.C. 371 (c)(5)). A copy of the International Preliminary Examination Report (PCT/IPEA/409). 11. A copy of the International Search Report (PCT/ISA/210). 12. Items 13 to 23 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. A FIRST preliminary amendment. 15. A SECOND or SUBSEQUENT preliminary amendment. 16. A substitute specification. 17. A power of attorney and/or change of address letter. 18. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 19. A second copy of the published International Application under 35 U.S.C. 154(d)(4). A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 20. 21. Express Mail Label No.

22.

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| IS APPLICATION NO  | O (if known, see 37 C   | FR 1.5)  | INTERNATIONAL AF  | PLICA                    | ATION NO.                           | ATTORNEY'S DOCKET NUM |          |        |
|--|---|--|---|--------------------------|-------------------------------------|-----------------------|----------|--------|
| J.S. APPLICATION NO (if known, see 37 CFI<br>10/526,699  |   |  | PCT/US04  | /2539                    | 98                                  | 873.0158.U1(US)       |          |        |
|  | or information:   |  |   |                          |                                     |                       |          |        |
| The following fo   | ees have been sub   | omitted:   |   |                          |                                     | CALCUL                |          | TO USE |
| 24. Basic nation   | onal fee  |  |   |                          | \$300                               | \$                    | \$0.00   |        |
| f the written opinion  | is indicates all cla  | US or the<br>ims satis                           | e international preliminar<br>fy provisions of PCT Arti                                   |                          | -                                   | \$                    | \$0.00   |        |
| All other situations.  26. Search fee (37 CFR 1.492(b))  If the written opinionof the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).  Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority.  International Search Report prepared by an ISA other than the US and provided to the  stood  \$100  International Search Report prepared by an ISA other than the US and provided to the  \$400 |   |  |   |                          |                                     | \$0.00                |          |        |
| All other situations.  |   |  |   |                          | \$                                  | \$0.00                |          |        |
| Additional fee sequence listing in an element The fee is \$25  | OF 24, 25 and<br>for specification a<br>ng in compliance<br>ectronic medium)<br>60 for each additio | ind drawii<br>with 37 C<br>(37 CFR<br>inal 50 sh | ngs filed in paper over 10 FR 1.821(c) or (e) or cor 1.492(j)). eets of paper or fraction | 00 she<br>npute<br>there | eets (excluding<br>r program<br>of. |                       |          |        |
| Total Sheets   | Extra Sheets  | Numb<br>fraction                                 | er of each additional 50<br>thereof (round <b>up</b> to a w                               | hole                     | IVATE                               |                       |          |        |
| - 100 =  | 0 /50 =   |  | 0   |                          | x \$250.00                          | \$                    | \$0.00   |        |
| Surcharge of \$130   | 0.00 for furnishing   | any of the                                       | e search fee, examination of the national stage (37                                       | n fee,<br>CFR            | or the oath or 1.492(h)).           | \$                    | \$130.00 |        |
| declaration aπer tr  | NUMBER F  |  | NUMBER EXTRA  |                          | RATE                                |                       |          |        |
| Total claims   |   | - 20 =   | 0   | х                        | \$50.00                             | \$                    | \$0.00   |        |
| Independent clain  | ns  | - 3=   | 0   | ×                        | \$200.00                            | \$                    | \$0.00   |        |
|  | NDENT CLAIMS  | (if applica                                      | able)   | +                        | \$360.00                            | \$                    | \$0.00   |        |
|  |   | T  | OTAL OF ABOVE O   | ALC                      | CULATIONS                           | = \$                  | \$130.00 |        |
| ☐ Applicant cla  | ims small entity s  | tatus. Se  | e 37 CFR 1.27. Fees ab  | ove a                    | re reduced by                       | \$                    | \$0.00   |        |
| 1/2.   |   |  |   |                          | SUBTOTAL                            |                       | \$130.00 |        |
| Processing fee of \$130,00 for furnishing the English translation later than 30 months from  |   |  |   | \$                       | \$ \$0.00                           |                       |          |        |
| the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE =  |   |  |   |                          | \$ \$130.00                         |                       |          |        |
| the designment must be   |   |  |   | S                        |                                     |                       |          |        |
| Fee for recording the enclosed assignment (37 GFR 3.28, 3.31). \$40 per property + accompanied by an appropriate cover sheet (37 GFR 3.28, 3.31). \$40 per property + TOTAL FEES ENCLOSED =  |   |  |   |                          |                                     |                       |          |        |
|  |   |  | IUIALF  | <u></u>                  |                                     |                       | nt to be | \$     |
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| ona     | ei ilie   | Paperwork Reduction Act of 1005, 10 P   |                                      |  |  |  |
|---------|---|---|--------------------------------------|--|--|--|
| a.      | ×   | A check in the amount of \$ \$130.00 to cover the above fee   |                                      |  |  |  |
| b.      |   | A duplicate copy of this sheet is enclosed.   | nount of \$ to cover the above fees. |  |  |  |
| C.      | ×   | The Commissioner is hereby authorized to charge any additional fees to Deposit Account No. 50-1924 . A duplicate copy of this | S SHEET IS CHOICEAN                  |  |  |  |
| d.      | Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. |   |                                      |  |  |  |
| Ni<br>m | NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.            |   |                                      |  |  |  |
|         |   | ALL CORRESPONDENCE TO:  | Lell of the                          |  |  |  |
| 1       |   | d J. Stanton, Esq.  | SIGNATURE                            |  |  |  |
| H       | arrin   | ngton & Smith, LLP  | Gerald J. Stanton                    |  |  |  |
| 4       | Rese  | earch Drive   | NAME                                 |  |  |  |
| S       | helto   | on, CT 06484-6212   | 46,008                               |  |  |  |
| 1       |   |   | REGISTRATION NUMBER                  |  |  |  |
|         |   |   | April 20, 2006                       |  |  |  |
|         |   |   | DATE                                 |  |  |  |
|         |   |   |                                      |  |  |  |
|         |   |   |                                      |  |  |  |
| 1       |   |   |                                      |  |  |  |



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United Status Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Adexandra, Virginia 22313-1450 www.uspto.gov

| U.S. APPLICATION NUMBER NO.               |             | FIRST NAMED APPLICANT                                       | ATTY. DOCKET NO.              |                         |  |
|---|-------------|---|-------------------------------|-------------------------|--|
| 10/526,699                                |             | Haihong Zheng   | 873.0158.U1(US)               |                         |  |
|   |             |   | INTERNATIONAL APPLICATION NO. |                         |  |
| (   | JS ACTION   | 1 1 .   | PCT/US04/25398                |                         |  |
| 29683                                     | DUE DATE    | 4/28/06   | I.A. FILING DATE              | PRIORITY DATE           |  |
| HARRINGTON & SMITH, LLP 24 RESEARCH DRIVE | PAPER DATEC | 2/28/06   | 08/06/2004                    | 08/06/2003              |  |
| SHELTON, CT 06484-6212                    | THER Hed.   | FINAL <u>8/28/06</u><br>_DWG<br>ISSUE FEE<br><i>Gmend</i> . | 371 FORMALITIES LI            | ATION NO. 7451<br>ETTER |  |
| Date Mailed: 02/28/2006                   | anna        | exes  |                               |                         |  |

# NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 03/03/2005
- Copy of the International Search Report filed on 03/03/2005
- Copy of IPE Report filed on 03/03/2005
- Copy of Annexes to the IPER filed on 03/03/2005
- Preliminary Amendments filed on 03/03/2005
- Information Disclosure Statements filed on 03/03/2005
- U.S. Basic National Fees filed on 03/03/2005
- Priority Documents filed on 03/03/2005

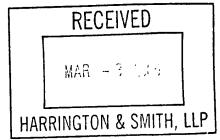
The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

#### SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:



• \$130 Surcharge.

Additionally the following defects have been observed:

- Annexes have not been entered because not a page per page substitution.
- Preliminary Amendments have not been entered because matches amended claims by Article 34 Amdt. that has not been entered.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice **MUST** be returned with the response.

#### BARBARA A CAMPBELL

Telephone: (703) 308-9140 EXT 217

### PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |  |
|-----------------------------|-------------------------------|------------------|--|
| 10/526,699                  | PCT/US04/25398                | 873.0158.U1(US)  |  |

FORM PCT/DO/EO/905 (371 Formalities Notice)

#### IN THE U.S. PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:

Applicant: Zheng et al.

Serial No.: 10/526,699

Filed: 8/6/2004

Title: Quality Of Service Support At An Interface Between Mobile And IP Network

Attorney Docket No.: 873.0158.U1(US)

## Certificate of Mailing

I hereby certify that the following correspondence:

Transmittal Letter to U.S. Designated/Elected Office Declaration and Power of Attorney
Check for \$130.00

is being deposited with the United States Postal Service, on the date shown below, first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Mail Stop PCT

4/20/2006 Date

Elaine F. Mian

Claime F. Mian